

Amendment to the Claims:

1. (Cancelled)

2. (Currently Amended) A magnetic resonance imaging device
according to claim 1, wherein comprising at least:

a) a main magnet system for generating a steady magnetic field in a
measuring space of the magnetic resonance imaging device;

5 b) a gradient system for generating a magnetic gradient field in said
measuring space; and

c) an eddy current shield system including:

at least one perforated eddy current screen, the or each
at least one perforated eddy current screen is being flexibly connected
10 to the main magnet system.

3. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim [[1]] 2, wherein the or each perforated eddy current screen
is designed in a way that the degree of perforation is in the range of 0.1% to 95%.

4. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim [[3]] 5, wherein the or each perforated eddy current screen
is designed in a way that the degree of perforation is in the range of 10% to 50%.

5. (Currently Amended) A magnetic resonance imaging device
according to claim 1, comprising at least:

a) a main magnet system for generating a steady magnetic field in a
measuring space of the magnetic resonance imaging device;

5 b) a gradient system for generating a magnetic gradient field in said
measuring space; and

c) an eddy current shield system;

wherein the eddy current shield system comprises at
least one perforated eddy current screen.

10 wherein the or each perforated eddy current screen is
assigned to the main magnet system,

 wherein the or each perforated eddy current screen is
designed as a constraining layer structure,

15 wherein the constraining layer structure comprises at
least one perforated plate-like layer and at least one perforated visco-
elastic layer.

6. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim 5, wherein the constraining layer structure comprises two
perforated plate-like layers and one perforated visco-elastic layer, wherein the visco-
elastic layer is sandwiched between the two plate-like layers.

7. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim [[1]] 2, wherein the or each eddy current screen has a
thickness being thin enough to minimize radiation of acoustic noise and being thick
enough to maximize shielding against the magnetic field radiated by the gradient
5 system.

8. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim 7, wherein the or each eddy current screen has a thickness
in the range of 0.01 mm to 10 mm.

9. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim 8, wherein the or each eddy current screen has a thickness
in the range of 1 mm to 5 mm.

10. (Currently Amended) [[A]] The magnetic resonance imaging
device according to claim 7, wherein the or each eddy current screen has an increased
thickness in the region in which the eddy current screen is mounted to the main
magnet system.

11. (Currently Amended) [[A]] The magnetic resonance imaging device according to claim 2, wherein the or each eddy current screen is flexibly attached to the main magnet system by elastic mounting means, especially by flexible rubber means.

12. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~wherein the or~~ comprising:

5 a) a main magnet system for generating a steady magnetic field in a patient receiving bore of the magnetic resonance imaging device, the magnet system defining annular side faces extending radially outward from the bore;

b) a gradient system for generating a magnetic gradient field in said patient receiving bore; and

c) at least one each eddy current screen ~~[[is]]~~ positioned at least in the region of the two lateral-flanges side faces of the main magnet system.

13. (Currently Amended) [[A]] The magnetic resonance imaging device according to claim 12, wherein the or each at least one eddy current screen is positioned in the region of the ~~lateral-flanges~~ side faces of the main magnet system and ~~in addition~~ in the region of the bore hole between the main magnet system and the
5 gradient system.

14. (Currently Amended) A magnetic resonance imaging device according to claim 1, ~~wherein the or each~~ comprising at least:

5 a) a main magnet system for generating a steady magnetic field in a measuring bore of the magnetic resonance imaging device;

b) a gradient system disposed in the bore for generating a magnetic gradient field in said measuring bore; and

c) a perforated eddy current screen is positioned at least in the region of the bore ~~hole~~ between the main magnet system and the gradient system to shield the main magnet system from acoustic frequency eddy currents.

15. (Currently Amended) A magnetic resonance imaging device according to claim 14, wherein the ~~or each~~ eddy current screen is also positioned ~~in the region of the bore hole and in addition in the region of the~~ on lateral flanges of the main magnet system.